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NOTICE OF ALLOWANCE AND FEE(S) DUE

25889

7590

03/05/2008

COLLARD & ROE, P.C. 1077 NORTHERN BOULEVARD ROSLYN, NY 11576

EXAMINER GIMIE, MAHMOUD ART UNIT PAPER NUMBER 3747

DATE MAILED: 03/05/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,230 09/05/2006 Wolfgang Issler		Wolfgang Issler	WOLFGANG ISSLER-8	6721
PITT I OF INVENITION. O	OMDITION DOWN IN THE	PCT		

TITLE OF INVENTION: COMBUSTION BOWL IN THE CROWN OF A PISTON FOR A DIESEL ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/05/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

maintenance fee notifica	tions.		No	te: A certificate of	mailin	g can only be used for	correspondence address as rate "FEE ADDRESS" for r domestic mailings of the	
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			Г				(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	3	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/587,230	09/05/2006	•	Wolfgang Issler		WOL	FGANG ISSLER-8	6721	
TITLE OF INVENTION	: COMBUSTION BOW	L IN THE CROWN OF .	A PISTON FOR A DIESE	EL ENGINE		PCT		
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nonprovisional	NO	\$1440	\$300	\$ 0		\$1740	06/05/2008	
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GIMIE, MA	AHMOUD	3747	123-276000					
1. Change of corresponde CFR 1.363).	ence address or indication	n of "Fee Address" (37	1					
_ ′	ondence address (or Cha	nge of Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,					
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			registered attorney or agent) and the names of up to					
			2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or ty	vpe)				
PLEASE NOTE: Unl	less an assignee is identi	ified below, no assignee	data will appear on the port of the data will appear on the properties of the data will be determined as the data will bear the data will be determined as the data will be determined as	patent. If an assign	ee is io	dentified below, the do	ocument has been filed for	
(A) NAME OF ASSIG	•	section of this form is the	(B) RESIDENCE: (CIT	· ·	OUNI	TRY)		
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Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent):	■ Individual □ Co	rporati	ion or other private gro	up entity Government	
4a. The following fee(s)	are submitted:	b. Payment of Fee(s): (Ple	ease first reapply ar	y prev	viously paid issue fee s	shown above)		
☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.					
			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any					
5. Change in Entity Sta	tus (from status indicated	d above)	overpayment, to Dep	osit Account Numbe	er	(enclose at	n extra copy of this form).	
_ ~ .	s SMALL ENTITY statu	· · · · · · · · · · · · · · · · · · ·	☐ b. Applicant is no lo	nger claiming SMAI	L EN	TITY status. See 37 CF	FR 1.27(g)(2).	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if requeecords of the United Sta	uired) will not be accepte	ed from anyone other than	the applicant; a regi	stered	attorney or agent; or th	e assignee or other party in	
interest as shown by the i	records of the Office Sta	tes i atent and Trademari	a office.					
Authorized Signature				Date				
Typed or printed name								
This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 dapplication form to the tons for reducing this but irginia 22313-1450. DC	FR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to tf ONOT SEND FEES OR	on is required to obtain or 1.14. This collection is e- y depending upon the indi ne Chief Information Offic COMPLETED FORMS T	retain a benefit by the stimated to take 12 revidual case. Any co cer, U.S. Patent and O THIS ADDRESS	ne pub ninutes mment Traden	lic which is to file (and s to complete, including ts on the amount of tin mark Office, U.S. Depa D TO: Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete attment of Commerce, P.O. For Patents, P.O. Box 1450,	

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COLLARD & R	OE, P.C.	GIMIE, MAHMOUD		
1077 NORTHERN		ART UNIT	PAPER NUMBER	
ROSLYN, NY 11576			3747	
		DATE MAILED: 03/05/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/587,230	ISSLER, WOLFGANG
Notice of Allowability	Examiner	Art Unit
	Mahmoud Gimie	3747
	I Manmoud Gimie	3141
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is selection in section in the communication in section in the communication	n this application. If not included unication will be mailed in due course. THIS
1. X This communication is responsive to amendment filed 01/	<u>22/2008</u> .	
2. 🔀 The allowed claim(s) is/are <u>1-9</u> .		
3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the:	.,,,,	or (f).
1. Certified copies of the priority documents have		N
2. Certified copies of the priority documents have		
3. ☐ Copies of the certified copies of the priority do	ocuments have been received	o in this national stage application from the
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv	MENT of this application. nitted. Note the attached EXA	AMINER'S AMENDMENT or NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu		deciaration is delicient.
(a) ☐ including changes required by the Notice of Draftspers		v (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	•	V(110 540) attached
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	=	in the Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 		
Attachment(s)	5 🖂 Nieties efte	formed Detaut Application
1. Notice of References Cited (PTO-892)		formal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./	ummary (PTO-413), Mail Date
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	_	Amendment/Comment
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	_	Statement of Reasons for Allowance
	9.	_ -

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The primary reason for allowance of claim 1 is the inclusion of the limitations of

"whereby the combustion bowl (4, 12, 16, 18-22) as well as its bowl neck (5, 11, 26) are disposed outside of the center relative to the longitudinal piston axis (3), wherein an undercut (8, 8', 38), which extends radially outward and non-uniformly relative to the bowl neck (5, 11, 26) toward the cooling channel (9), is formed into at least a part of the radially outer edge region of the combustion bowl (4, 12, 16, 18-22)" that the prior art of record neither taught nor suggested.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mahmoud Gimie whose telephone number is 571-272-4841. The examiner can normally be reached on Monday-Friday between 7 a.m. -3:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen K. Cronin can be reached on 571-272-4536. The fax phone

Application/Control Number: 10/587,230 Page 3

Art Unit: 3747

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MG/

/Mahmoud Gimie/ Primary Examiner, Art Unit 3747